



Medicinal chemistry
Ústav organické chemie a biochemie AV ČR
Flemingovo nám. 2., 166 10 Praha 6

Amino Acid Analysis Submission Form

Before submitting your sample

- (1) Obtain special flame-sealable tubes from the laboratory (building A, 3.46a). Label them close to the bottom using the brown paper tape and pencil (not pen). Make sure the tape goes all the way around the tube.
- (2) Submit an amount corresponding to 2 to 30 nmol of each amino acid of which analysis is requested.
- (3) Place your sample on the bottom of the tube, ideally as a single droplet. Evaporate and seal with parafilm.
- (4) For a standard sample, expect a 24-hour turnaround time. Reports to be sent by email.
- (5) For inquiries, call the laboratory at +420 220 183 354.

Select what is required:

- AA Composition
- Protein/peptide concentration
- Resin substitution
- Cysteine, methionine¹
- Tryptophan²
- Extended hydrolysis time³
- Special amino acids:.....

Submitter Information

Date of Submission:.....Department:.....

Name:.....Contact Email:.....

Sample Information⁴

Sample ID(s):.....

Sample Description (MW etc.):.....

Expected Amount (μg or nmol):.....

Solvent details (amino-buffers, detergents):.....

¹ To assay for regular amino acids AND Cysteine (and Methionine), two aliquots (in two test tubes) need to be submitted.

² Tryptophan is not routinely reported as it requires special conditions during hydrolysis.

³ When quantitative analysis of Leucine, Isoleucine, or Valine is requested for a peptide with high beta-branched amino acid content, a 72-hour hydrolysis is usually preferred.

⁴ One submission form can be used for multiple samples if expected to be similar in composition, amount, and solvent composition.